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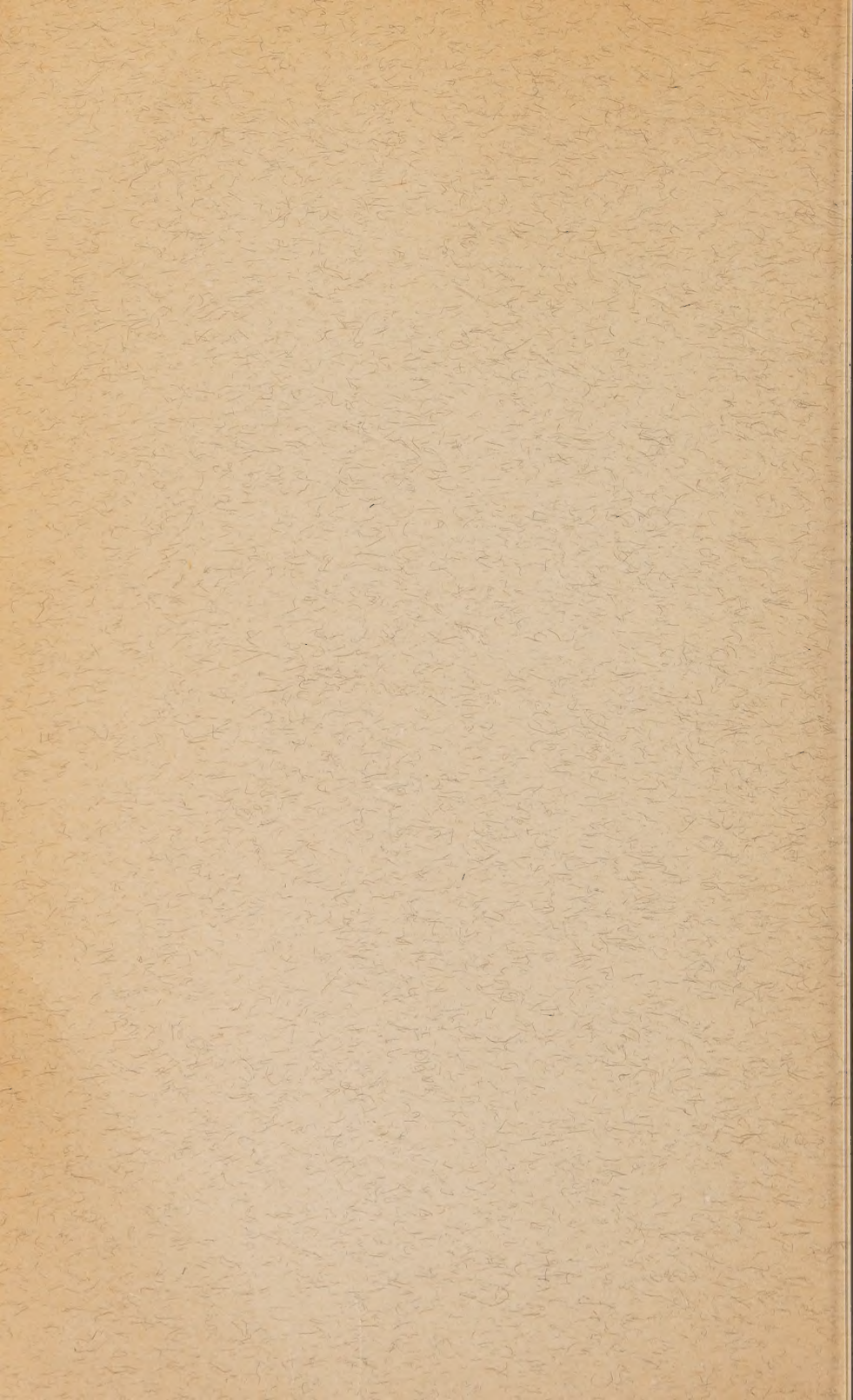
Volumes 31-40

1946-1955

by

EARL INGERSON

Published by the
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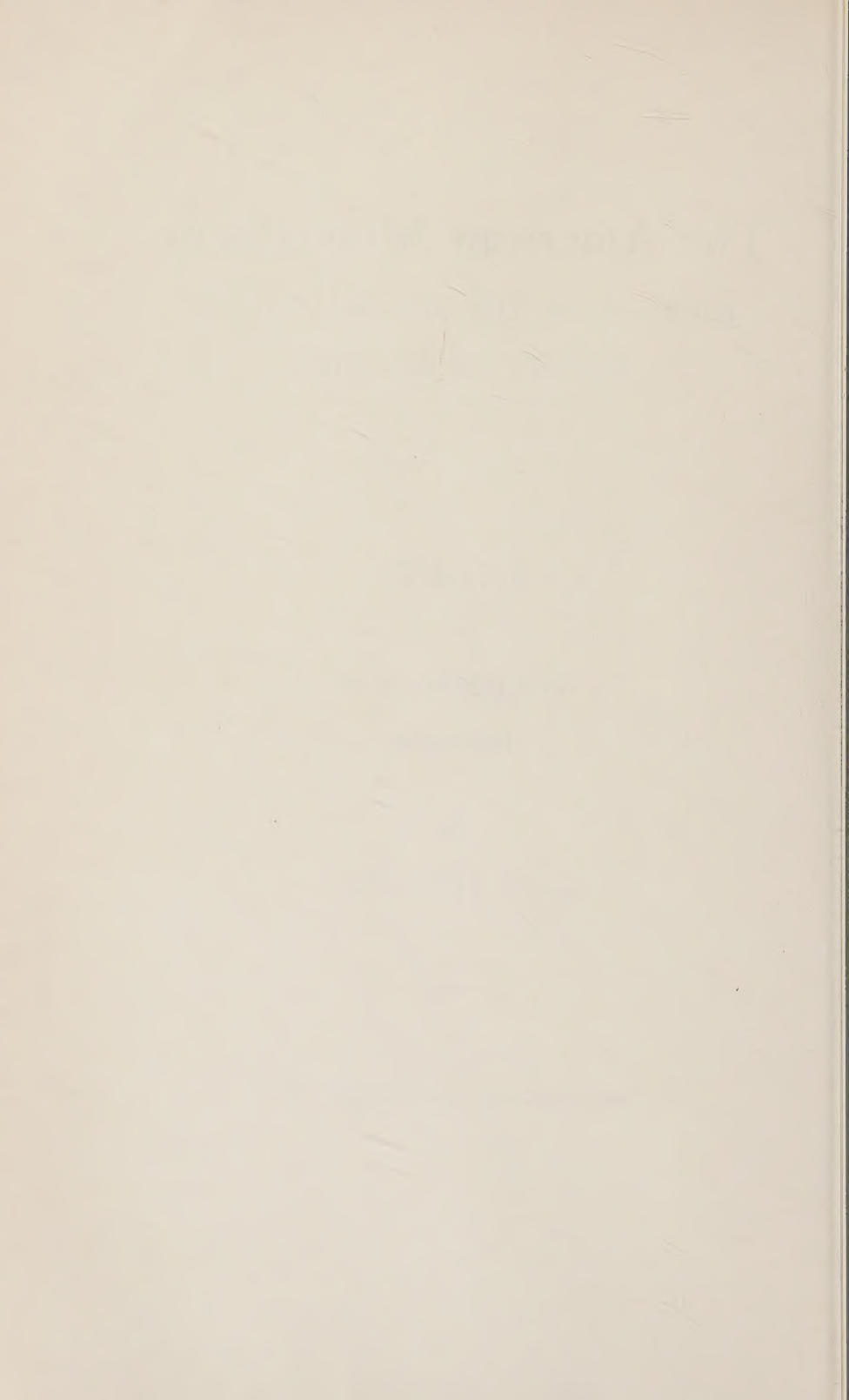
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EXPLANATIONS

The bold face number before a colon is the volume number; the number after the colon is the page in the volume, thus 26: 349 means volume 26, page 349.

Papers by joint authors are entered under each author: the first-named author followed by "and"; the others followed by "with"; thus, **Postel, A. Williams**, and **Adelhelm, William**, White mica in the Wissahickon complex; **Adelhelm, William**, with **Postel, A. Williams**, White mica in the Wissahickon complex.

Under the author's name the title of the paper is given in full with inclusive pages; (abs.) following the title of a paper indicates that only an abstract of the paper is given on the page stated. The abbreviation (abs.) after the name of a mineral indicates that a summary only of the properties of the mineral is given and a citation to the full paper published in some other journal. The abbreviation (ref.) following the title of a paper or after the name of a (usually new) mineral indicates that only the reference to the paper is given on the page stated, without abstract or annotation.

Minerals in extremely common associations are not listed individually. For example, pegmatites are listed by locality, but the minerals that practically always occur in them,—quartz, potassium feldspar, albite, muscovite, etc.—are not listed for each locality as are the rarer minerals such as columbite, topaz, triplite, and beryl.

Localities are found, for the most part, under the names of the countries in which they occur. Exceptions: states of the United States are indexed separately as are the provinces of Canada. The usage of the individual authors has been followed, in general, both for geographic locations and for spelling of locality and mineral names. This occasionally leads to inconsistencies; for example, the spellings "analcime" and "analcite" are both found in articles in the Journal, so both are used in the Index.

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- Zussman, J., Investigation of the crystal structure of antigorite from Mikonui, New Zealand (abs.), 39: 682
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- Zworykin, E. V., with Murata, K. J., Cisney, E. A., and Stieff, L. R., Hydration and base exchange of carnotite, tyuyamunite and related compounds (abs.), 36: 323

ERRATA

- 28: 510, Table 1, transformation matrices in the pigeon holes E, F, G, H should appear in pigeon holes K, L, M, N, respectively, and *vice versa*
- 28: 511, under (S), delete $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$ and footnote 4. Value of a , 5.12 should have read 6.12; transformation C is applicable
- 31: 117, line 14, *for saléite read saléite*
- 31: 118, line 3, *for parsonite read parsonite*; line 7, *for volgite read voglite*
- 31: 119, line 24, *for Eschwegite read Eschwegeite*
- 31: 412, heading of table, *for Morfsnetite read Moresnetite*
- 31: 469, A and B of Fig. 6 should be reversed
- 31: 512, line 3, *for Schaub read Schaub*
- 31: 599, line 21, *for Ojuella read Ojuella*
- 32: cover of March-April issue, after March-April add 1947
- 32: 208, line 11 from bottom, *for Ca read CaO*
- 32: 265, No. 5, *for akermannite read akermanite*
- 32: 265, No. 21, *for xanthopyllite read xanthophyllite*
- 32: 265, No. 37, *for nephelite read nepheline*
- 32: 288, Table 1, line 4, *for akermannite read akermanite*
- 32: 288, Table 1, line 8, *for analcite read analcime*
- 32: 288, Table 1, line 6 from bottom, *for collophanite read collophane*
- 32: 289, line 7 from bottom, *for akermannite read akermanite*
- 32: 323, Figure 1, B, line 2, *for CaF_2 read CaF*
- 32: 332, Table 3, line 8, *for CaF_2 read CaF*
- 32: 471, line 11 from bottom, *for doleriate read dolerite*
- 32: 480, line 12 from bottom, *for Parfield read Paurfield*
- 32: 483, heading of last column in table, *add ratio above Fe_2O_3*
- 32: 543, line 1, *for principle read principal*
- 32: 591, line 21, *for Richard read Richards*
- 32: 641, line 5, *for $\text{CaTiSi}_2\text{O}_8$ read CaTiSiO_5*
- 32: 641, line 6, *for $(\text{CaX})(\text{Ti,Z})\text{Si}_2(\text{O,OH})$ read $(\text{CaX})(\text{Ti,Z})\text{Si}(\text{O,OH})$*
- 32: 646, line 8, *for trydymite read tridymite*
- 32: 656, line 2 from bottom, *for essl read less*
- 32: 689, line 21 *for Garrells read Garrels*
- 33: 6, line 2 from bottom, *for curvey read survey*
- 33: 61, formula (4) should read $v_2 = \frac{\sin v}{\sqrt{1 + (x' \cos v - y' \sin v)^2}}$
- 33: 61, formula (7) should read $\cot \alpha = x' \cos v - y' \sin v$
- 33: 61, formula (10) should read $x' = -\cot \beta$
- 33: 105, line 7, *for tenperature read temperature*
- 33: 106, line 11, *for varporization read vaporization*
- 33: 131, line 5 from bottom, *for amendable read amenable*
- 33: 214, list of Correspondents should include the name of C. E. Tilley, Cambridge University, Cambridge, England
- 33: 271, line 12, *for mut read must*
- 33: 344, Table 1, line of Run C-60, in column headed Factor *for 40.92 read 40.78*; line of Run C-158, *for 40.78 read 40.64*
- 33: 373, line 6 from bottom, *for amplifyer read amplifier*
- 33: 380, line 12 from bottom, *for Dryer read Dreyer*
- 33: 381, line 8 from bottom, *for L. C. Ramsdell read L. S. Ramsdell*
- 33: 478, table 3, under Tincalconite insert between lines 1 and 2 .0003 111 7.013 7.00 4
- 33: 518, lines 11 and 12, *for pneumatolotic read pneumatolytic*
- 33: 549, line 2 from bottom, *for Freislebenite read Freieslebenite*
- 34: 22-24 Paragraph of corections, See 34:611
- 34: 94, line 2 of Abstract, *for triphyllite read triphylite*
- 34: 94, line 7 of Abstract *for $\text{Fe}_6(\text{PO}_4)_8 \cdot 8\text{H}_2\text{O}$ read $\text{Fe}_6(\text{PO}_4)_4 \cdot 8\text{H}_2\text{O}$*
- 34: 95, lines 1, 3, 7, 8, and 11, *for triphyllite read triphylite*
- 34: 95, line 9, *for vivinanite read vivianite*
- 34: 112, line 11 from bottom, *for $v < r$, read $r < v$*
- 34: 168-169 Paragraph of corrections, See 34: 611
- 34: 281, line 8, *for BOLYBARIC read POLYBARIC*
- 34: 495, Table 1, *for Moore City read Moore County*
- 34: 497, Fig. 1, line 2 of legend, *for {100} read {001}*
- 34: 499, Table 4, line of Hypersthene E, *for {010} read {100}*
- 34: 502, line 16, *for form read from*

- 34: 667, line 5 under Introduction, for Garbriel *read* Gabriel
 34: 696 line 7, for 100 *read* 001
 34: 698, line 22, for reworked *read* reworking
 34: 770, line 6, for circonium *read* zirconium
 34: 838, lines 11 and 12, for a spectrographic analysis by K. J. Murata showed aluminum present in tenths of one per cent and calcium, zinc and magnesium in hundredths *read* a spectrographic analysis by K. J. Murata showed Ti and Mg to be present in concentrations greater than 5 per cent, Fe between 1 and 5 per cent, Al and Mn in tenths of one per cent, Ca, Si, V, Zr, and Cb in hundredths of one per cent, and Cr and Sn in the thousandths
 34: 899, line 15 of column 2, for Bassister *read* Bannister
 35: 5, analysis 2, for $\text{TiO}_2 = 0.20$ *read* 0.22; analysis 4, for total = 100.94 *read* 100.40; analysis 6, add $\text{ZnO} = 0.17$
 35: 33, space group under 15R, ZnS, for S3m *read* R3m
 35: 79, line 4, for Valles *read* Valle
 35: 112, caption of Fig. 3, for Dehydration curve *read* Dehydration curve of bobierite
 35: 133, line 8 from bottom, for F. N. Senftle *read* F. S. Senftle
 35: 136, line 2 from bottom, for reinierite *read* renierite
 35: cover of March-April issue, line 13 under Contents, for Parsonite *read* Parsons-ite
 35: 221, lines 17-19, for 9,680 *read* 169,452; for 8,132 *read* 160,498; for 8,654 *read* 151,503; for 9,426 *read* 165,017
 35: 281, line 15 from bottom, for Na_2O *read* Na_2O
 35: 249, lines 4 and 5 from bottom, for beta-uranite *read* beta-uranotile
 35: 333, line 7, for $\text{MnO}_{.65}\text{MgO}_{.20}\text{ZnO}_{.15}$ *read* $\text{Mn}_{.65}\text{Mg}_{.20}\text{Zn}_{.15}$
 35: 361, line 3, column 2 of Table 10, for $(\text{Ni,Cu})\text{Si}_2$ *read* $(\text{Ni,Cu})\text{Se}_2$
 35: 387, line 2, for power *read* powder
 35: 453, line 13, for Vancounver *read* Vancouver
 35: 457, line 18 from bottom, for benajminite *read* benjaminite
 35: 509, Fig. 2, two drafting errors have been corrected on a new diagram: 35: 1090
 35: 525, line 1 of Abstract, and p. 527, line 7, for $\text{Mg}(\text{UO}_2)_2(\text{P,AsO}_4)_2$ *read* $\text{Mg}(\text{UO}_2)_2[(\text{P,As})\text{O}_4]_2$
 35: 549, line 9 of Table 2, for Famantinite *read* famatinite
 35: 549, line 6 from bottom, for Lilliantite *read* Lillianite
 35: 549, line 2 from bottom, for Freislebenite *read* Freieslebenite
 35: 587, at the bottom of the page add "Analysis of the *d* values and intensities of this latter group of minerals indicates that these patterns are actually characteristic of the amphiboles rather than the chrysotiles."
 35: 693, line 6 from bottom, for exmaples *read* examples
 35: 695, line 17 from bottom, for stauorlite *read* staurolite
 35: 696, line 21, for vien *read* vein
 35: 696, line 24, for granablastic *read* granuloblastic
 35: 696, line 6 from bottom, and p. 697, line 11, for viens *read* veins
 35: 725, line 16, for crysotile *read* chrysotile
 35: 769, caption to Fig. 2, for pegamite *read* pegmatite
 35: 790, line 6, for periodotite *read* peridotite
 35: 826, line 8, for Couer *read* Coeur
 35: 861, line 4 from bottom, for Hardiny *read* Harding
 35: 861, line 3 from bottom, for approximatelg *read* approximately
 35: 877, line 5 from bottom, for branchypinacoid *read* brachypinacoid
 35: 898, line 3 above table, for spectrochemcial *read* spectrochemical
 35: 910, line 3 from bottom, for petrograhic *read* petrographic
 35: 916, line 3 from bottom, for K, J. Murata *read* K. J. Murata
 35: 955, line 17, for rhodocrosite *read* rhodochrosite
 35: 1010, line 6 of column 1, for Pectaca *read* Petaca
 35: 1036, table 1, line 2 from bottom, for Silic *read* Silicic
 35: 1040, line 6 from bottom, for prophyries *read* porphyries
 35: 1049, line 13 from bottom, for sepcimens *read* specimens
 36: 177, line 22, for metastabile *read* metastable
 36: 318, line 4, for Monochrometer *read* Monochromator
 36: 327, line 2, for hydrous magnesium vanadate *read* hydrous potassium magnesium vanadate
 36: 384, line 3 under Paratacamite, for 1806 *read* 1906
 36: 505, lines 1 and 6 from bottom, and 506, lines 3, 13, 18, and 19, for meneghenite *read* meneghinite

- 36: 593-596, 599 throughout, *for* Guanapé *read* Guañape Islands
 36: 642, line 6, *for* (Mn, Ca, Mg) 0.2 *read* (Mn, Ca, Mg)O·2
 36: 710, Table 5, values *for* muscovite, *for* 0.1124 *read* 0.1744; *for* 0.1784 *read* 0.1504; *for* 0.1232 *read* 0.1101
 36: 793, line 6, *for* analysis *read* analysis
 36: 804, line 5, *for* (1895) *read* (1865)
 36: 808, Figure 5, line at bottom of figure should read "increasing temperature" to the point abreast 761°C, then an arrowhead should appear and the rest of the line should read "decreasing temperature"
 36: 814, Table 8, column 4, line 9, *for* 2.32 *read* 2.82
 36: 815, Table 8, column 6, line 8 from bottom, *for* 1.534 *read* 1.545
 36: 819, Figure 7-B, line at bottom of figure should read "increasing temperature" to the point abreast 866°C, then an arrowhead should appear and the rest of the line should read "decreasing temperature"
 36: 924, line 7, *for* silicatischen *read* silikatischen
 36: 925, line 7 from bottom, *for* Nb₂O₅ + Ta₂O₅ *read* Nb₂O₅ + Ta₂O₅
 36: 926, line 3 from bottom, *for* cabrerit . . . Magnesitlagerstätte *read* Cabrerit . . . Magnesitlagerstätte
 36: 926, line 12 from bottom, *for* tacheffkinite *read* tscheffkinite
 36: 927, line 3 from bottom, *for* beudantite *read* beudantite
 37: 18, lines 12 and 13, *for* Hall *read* Haul
 37: 80, Table 2, column 1, *for* 3496 *read* 3946
 37: 104, last line (31') *for* γ *read* α
 37: 105, lines 10 and 22, *for* diffraction *read* precession
 37: 109, Table 6, last line, right hand column, *for* bG₂ *read* bG'₂
 37: 117, line 17 from bottom, *for* kaolite *read* kaolinite
 37: 129, line 21, *for* defraction *read* diffraction
 37: 131, line 20, *for* Berger *read* Breger
 37: 131, line 21, *for* lignen *read* lignin
 37: 136, line 3, *for* Zeemann *read* Zemann
 37: 161, line 7 from bottom, *for* elminate *read* eliminate
 37: 182, Table 1, Note b, *for* Edington *read* Edgington
 37: 314, line 22, *for* Maryland *read* Minnesota
 37: 324, line 23, *for* Meyers *read* Myers
 37: 334, line 13, *for* Hatton *read* Hatten
 37: 349, line 1, *for* N.M.F. *read* N.F.M.
 37: 427, line 10 from bottom, *for* Haburlandt *read* Haberlandt
 37: 430, line 12 of Table 1, *for* crysotile *read* chrysotile; No. 29, *for* Calif. *read* Colo.
 37: 437, line 10, *for* Haburlandt *read* Haberlandt
 37: 477, line 14, *for* and increase *read* an increase
 37: 569, Table 1, (ix), *for* contalined *read* contained
 37: 598, last line, *for* Fig. 1 *read* Fig. 2
 37: 672, table 2, *for* NaMo₂O₄ *read* Na₂MoO₄
 37: 673-681, throughout, *for* Na₂Mo₂O₄ *read* Na₂MoO₄
 37: 711, line 8 of second part of Table 1, *for* Geras *read* Gerais
 37: 715, curve 2-12, *for* Frontenoc *read* Frontenac
 37: 961, Table 1, last line, *for* Bb *read* Rb
 37: 1036-1054, article by Fisher; *for* corrections and discussion *see* 38: 399-404
 38: 31, line 19, *for* Pittlite *read* Pidlite
 38: 31, line 20, *for* Christo *read* Cristo
 38: 74, lines 6 and 9 from bottom *for* Middleton *read* Middletown
 38: 88, line 7 of Abstract, *for* musocvite *read* muscovite
 38: 149, line 14, *for* It *read* I
 38: 186, line 3 from bottom, *for* Beartschi *read* Baertschi
 38: 223, line 7 from bottom, *for* microscope *read* microscope
 38: 335, line 13 from bottom, *for* lepidocroite *read* lepidocrocite
 38: 396, line 12, *for* Hattem *read* Hatten
 38: 509, line 5 from bottom, *for* Ab *read* Sb
 38: 510, line 19, *for* Vournonite *read* Bournonite
 38: 643-661, *see* 39: 139 for general correction to this paper
 38: 740, lines 7 and 9, *for* Gueblin *read* Gubelin
 38: 787, footnote, *for* 5's have been rounded to the nearest number *read* 5's have been rounded to the nearest even number
 38: 832, Figs. 1 and 2, *for* $\frac{\text{Bi } 2898.0}{\text{Pb } 2833.1}$ *read* $\frac{\text{Pb } 2833.1}{\text{Bi } 2898.0}$ in both cases
 38: 920, line 2 from bottom, *for* hiddenities *read* hiddenites
 38: 1071, line 21, *for* Bounder Dam *read* Boulder Dam

- 39: 78, line 23, *for* plagiocalse *read* plagioclase
 39: 143, date of receipt of manuscript, *for* Jan. 29, 1954 *read* Jan. 29, 1953
 39: 314, title of first abstract *for* Washington *read* California
 39: 334, line 4 from bottom, *for* M. L. James *read* H. L. James
 39: 504, first line of title, *for* CuSe *read* CuS
 39: 516, line 10 from bottom, *for* Pressure *read* Presence
 39: 517, line 2 of Table 6, *for* Tarce *read* Trace
 39: 567, line 3, *for* anthophyllites *read* anthophyllites
 39: 609, line 23, *for* Schaierer *read* Schairer
 39: 629, line 4, *for* flouride *read* fluoride
 39: 676, line 10 from bottom, *for* ferroan dickinsonite *read* ferrodickinsonite
 39: 677, Table 2, last column, *for* 3.55 *read* 3.42 and *for* 3.42 *read* 3.55
 39: 680, line 4 above References, *for* ferroan dickinsonite *read* ferrodickinsonite
 39: 687, line 6 from bottom, *for* alumite *read* alunite
 39: cover of September-October issue, line 6 under Contents, *for* Kedesy *read* Kedesdy
 39: 720, second sentence of next to last paragraph should read: "A comparison shows that the average ratio of NiO to MgO is 0.0063 in olivine, 0.0023 in enstatite, and 0.002 in diopside."
 39: 722, Norms for analyses 1, 3, and 5 are incorrectly given. Correct values are given on p. 554 of Volume 40
 39: 750, line 3, *for* Kedesy *read* Kedesdy
 39: 788, line 1, *for* neosilicate *read* nesosilicate
 39: 825, line 14, *for* nageite *read* naegite
 39: 849, line 8 from bottom, *for* Supucaia *read* Sapucaia
 39: 852, line 3, *for* falkenyaynite *read* falkenaynite
 39: 873, last column, line 20 from bottom, *for* monty *read* mont.
 39: 904, line 1, *for* schroekingerite *read* schroeckingerite
 39: 905, line 16, *for* schroekingerite *read* schroeckingerite
 39: 940, line 7 from bottom, *for* Varmland *read* Värmland
 39: 940, line 14 from bottom, *for* Rajsberg *read* Pajsberg
 39: 964, *for* litearture *read* literature
 39: 970, line 8, *for* orthosilicate *read* orthogermanate
 39: 1037, lines 2, 3, 7, *for* rabbitite *read* rabbittite
 40: 120, line 3 from bottom, *for* Dies *read* Rose
 40: 212, line 8 from bottom, *for* Nenadkovich *read* Nenadkevich
 40: 360, lines 1 and 2, *for* Mineralen *read* Mineralien
 40: 362, line 25, *for* glossay *read* glossary
 40: 368, line 1 from bottom, *for* arsenosulvenite *read* arsenosulvanite
 40: 401, line 21, *for* Brunn *read* Bruun
 40: 418, legend to Fig. 1, *for* termolite *read* tremolite
 40: 540, line 10 from bottom, *for* Headen *read* Headden
 40: 542, line 15, *for* Headen *read* Headden
 40: 545, under REFERENCE, *for* Wright, F. D. *read* Wright, F. E.
 40: 553, line 3 from bottom, *for* baslatic *read* basaltic
 40: 566, line 6 from bottom, *for* periodtites *read* peridotites
 40: 811, line 3 from bottom, *for* Murdock *read* Murdoch
 40: 849, heading of last column, *for* Thrid *read* Third
 40: 940, line 9, *for* Foreward *read* Foreword
 40: 940, line 13 from bottom, *for* ommitted *read* omitted
 40: 943, line 9 from bottom, *for* U(SiO₄) *read* U(SiO₄)
 40: 943, line 22, *for* 1952 *read* 1852
 40: 944, line 5 from bottom, *for* letembergiet *read* lebergite
 40: 1002, total of last column in Table 1 which reads 99.80 should be 99.90
 40: 1002, Table 1, last column, footnote references *b* should read *f*
 40: 1003, total of second column in the table which reads 99.51 should be 99.91
 40: 1059, last line *for* $\left(\frac{1}{\omega^2} \cdot \frac{1}{\epsilon^2}\right)$ *read* $\left(\frac{1}{\omega^2} - \frac{1}{\epsilon^2}\right)$
 40: 1102, line No. 16, the figures in columns 5 and 6 should be interchanged and in line No. 23, the figure 2.1361 in column 4 should be 2.0967
 40: 1103, line No. 24*b* the figure 2.0481 should be 1.9612
 40: 1103, line No. 26, the index on the right given as (3̄12) should be (312)
 40: 1103, line No. 28, the spacing on the right given as 1.813 should be 1.817
 40: 1104, The dashed line on the right side of Fig. 2 is the trace of (100)
 40: 1108, line 11 from bottom, *for* 850/860° *read* higher